

COMBINED DECLARATION FOR PATENT  
APPLICATION AND POWER OF ATTORNEY  
(Includes Reference to PCT International Applications)

Rec'd PCT/PTO 08 MAY 2006  
ATTORNEY'S DOCKET  
NUMBER 176/61442 (6-1196)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

10/541044

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**HYBRIDIZATION-BASED BIOSENSOR CONTAINING HAIRPIN PROBES AND USE THEREOF** /

the specification of which (check only one item below):

- ☐ is attached hereto.
- ☐ was filed as U.S. Patent Application Serial No. \_\_\_\_\_ on \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).
- ☒ was filed as PCT International Application Number PCT/US2004/000093 on 02 January 2004/

I hereby state that I have reviewed and understand the contents of the above-identified specifications, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim priority benefits under Title 35, United States Code, § 119 of any application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States listed below and have also identified below any application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (IF PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
U.S.A.	60/437,780 /	02 January 2003	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

COMBINED DECLARATION FOR PATENT  
APPLICATION AND POWER OF ATTORNEY (Continued)  
(Includes Reference to PCT International Applications)

Rec'd PCT/PTO 08 MAY 2008  
ATTORNEY'S DOCKET NUMBER  
146/01442 (8-1196)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT International application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT International filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

U.S. APPLICATIONS

STATUS (Check One)

U.S. APPLICATION NUMBER

U.S. FILING DATE

PATENTED

PENDING

ABANDONED

PCT APPLICATIONS DESIGNATING THE U.S.

PCT  
APPLICATION NO.

PCT  
FILING DATE

U.S. SERIAL NUMBERS  
ASSIGNED (if any)

PCT/US2004/000093 ✓

02 January 2004 ✓

10/541,044 ✓

X

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith Michael L. Goldman, Registration No. 30,727; Joseph M. Noto, Registration No. 32,163; Gunnar G. Leinberg, Registration No. 35,584; Edwin V. Merkel, Registration No. 40,087; Alice Y. Choi, Registration No. 45,758; Andrew K. Gonsalves, Registration No. 48,145; Noreen L. Connolly, Registration No. 48,987; Shelley A. Jones, Registration No. 53,081; Tate L. Tischner, Registration No. 56,048

Send Correspondence to:

Edwin V. Merkel, Esq.  
NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603

Direct telephone calls to:

Edwin V. Merkel  
(585) 263-1128

FULL NAME  
OF INVENTOR

FAMILY NAME  
MILLER

FIRST GIVEN NAME  
Benjamin

SECOND GIVEN NAME  
L.

RESIDENCE &  
CITIZENSHIP

CITY  
Penfield NY

STATE/FOREIGN COUNTRY  
New York

COUNTRY OF CITIZENSHIP  
U.S.A. ✓

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17 Rolling Meadows Way

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New York 14526 U.S.A.

FULL NAME OF  
INVENTOR

FAMILY NAME  
KRAUSS

FIRST GIVEN NAME  
Todd

SECOND GIVEN NAME  
D.

RESIDENCE &  
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New York

COUNTRY OF CITIZENSHIP  
U.S.A.

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29 Walnut Hill Drive

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New York 14526

FULL NAME OF  
INVENTOR

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DU

FIRST GIVEN NAME  
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SECOND GIVEN NAME

RESIDENCE &  
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CITY  
Rochester

STATE/FOREIGN COUNTRY  
New York

COUNTRY OF CITIZENSHIP  
China

POST OFFICE  
ADDRESS

P.O. ADDRESS  
330 Kendrick Road

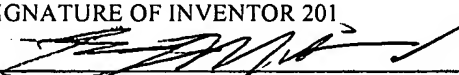
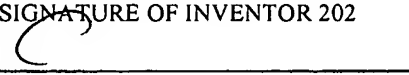
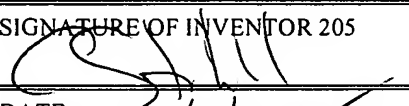
CITY  
Rochester

STATE & ZIP CODE/COUNTRY  
New York 14620

10/541044

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued) (Includes Reference to PCT International Applications)				ATTORNEY'S DOCKET NUMBER 176/61442 (6-1196)
2 0 4	FULL NAME OF INVENTOR	FAMILY NAME CRNKOVICH	FIRST GIVEN NAME Nicole	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Rochester	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP U.S.
	POST OFFICE ADDRESS	P.O. ADDRESS 6 Flamingo Drive	CITY Rochester	STATE & ZIP CODE/CTRY New York 14624
5-00 2 0 5	FULL NAME OF INVENTOR	FAMILY NAME <u>STROHSAHL</u>	FIRST GIVEN NAME <u>Christopher</u>	SECOND GIVEN NAME <u>M.</u>
	RESIDENCE & CITIZENSHIP	CITY <u>Saugerties NY.</u>	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP U.S. ✓
	POST OFFICE ADDRESS	P.O. ADDRESS P. O. Box 353	CITY Saugerties	STATE & ZIP CODE/CTRY New York 12477

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 	SIGNATURE OF INVENTOR 202 	SIGNATURE OF INVENTOR 203
DATE 4-27-06	DATE	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205 	SIGNATURE OF INVENTOR 206
DATE	DATE 4/27/2006	DATE

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U.S. APPLICATIONS		STATUS (Check One)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)		
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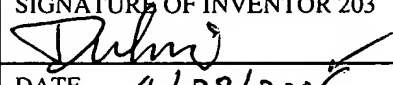
Send Correspondence to: Edwin V. Merkel, Esq.  
NIXON PEARBODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603

Direct telephone calls to: Edwin V. Merkel  
(585) 263-1128

201	FULL NAME OF INVENTOR	FAMILY NAME <b>MILLER</b>	FIRST GIVEN NAME <b>Benjamin</b>	SECOND GIVEN NAME <b>L.</b>
	RESIDENCE & CITIZENSHIP	CITY <b>Penfield</b>	STATE/FOREIGN COUNTRY <b>New York</b>	COUNTRY OF CITIZENSHIP <b>U.S.A.</b>
	POST OFFICE ADDRESS	P.O. ADDRESS <b>17 Rolling Meadows Way</b>	CITY <b>Penfield</b>	STATE & ZIP CODE/COUNTRY <b>New York 14526 U.S.A.</b>
202	FULL NAME OF INVENTOR	FAMILY NAME <b>KRAUSS</b>	FIRST GIVEN NAME <b>Todd</b>	SECOND GIVEN NAME <b>D.</b>
	RESIDENCE & CITIZENSHIP	CITY <b>Penfield</b>	STATE/FOREIGN COUNTRY <b>New York</b>	COUNTRY OF CITIZENSHIP <b>U.S.A.</b>
	POST OFFICE ADDRESS	P.O. ADDRESS <b>29 Walnut Hill Drive</b>	CITY <b>Penfield</b>	STATE & ZIP CODE/COUNTRY <b>New York 14526</b>
303	FULL NAME OF INVENTOR	FAMILY NAME <b>DU</b>	FIRST GIVEN NAME <b>Hui</b>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY <b>Sunnyvale CA</b>	STATE/FOREIGN COUNTRY <b>California</b>	COUNTRY OF CITIZENSHIP <b>China</b>
	POST OFFICE ADDRESS	P.O. ADDRESS <b>1063 Morse Avenue, Apt. 2-203</b>	CITY <b>Sunnyvale</b>	STATE & ZIP CODE/COUNTRY <b>California, 94089</b>

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	POST OFFICE ADDRESS	P.O. ADDRESS 6 Flamingo Drive	CITY Rochester	STATE & ZIP CODE/CTRY New York 14624
2 0 5	FULL NAME OF INVENTOR	FAMILY NAME STROHSAHL	FIRST GIVEN NAME Christopher	SECOND GIVEN NAME M.
	RESIDENCE & CITIZENSHIP	CITY Saugerties	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP U.S.
	POST OFFICE ADDRESS	P.O. ADDRESS P. O. Box 353	CITY Saugerties	STATE & ZIP CODE/CTRY New York 12477

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203 
DATE	DATE	DATE 4/28/2006
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

COMBINED DECLARATION FOR PATENT  
APPLICATION AND POWER OF ATTORNEY  
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET  
NUMBER  
176/61442 (6-1196)

Rec'd PCT/PTO 08 MAY 2006

10/541044

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**HYBRIDIZATION-BASED BIOSENSOR CONTAINING HAIRPIN PROBES AND USE THEREOF** ✓

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			<input type="checkbox"/> YES <input type="checkbox"/> NO
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COMBINED DECLARATION FOR PATENT  
APPLICATION AND POWER OF ATTORNEY (Continued)  
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U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED	
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NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603


Direct telephone calls to:  
Edwin V. Merkel  
(585) 263-1128

201	FULL NAME OF INVENTOR	FAMILY NAME MILLER	FIRST GIVEN NAME Benjamin	SECOND GIVEN NAME L.
	RESIDENCE & CITIZENSHIP	CITY Penfield	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP U.S.A.
	POST OFFICE ADDRESS	P.O. ADDRESS 17 Rolling Meadows Way	CITY Penfield	STATE & ZIP CODE/COUNTRY New York 14526 U.S.A.
202	FULL NAME OF INVENTOR	FAMILY NAME KRAUSS	FIRST GIVEN NAME Todd	SECOND GIVEN NAME D.
	RESIDENCE & CITIZENSHIP	CITY Penfield NY	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP U.S.A. ✓
	POST OFFICE ADDRESS	P.O. ADDRESS 29 Walnut Hill Drive	CITY Penfield	STATE & ZIP CODE/COUNTRY New York 14526
203	FULL NAME OF INVENTOR	FAMILY NAME DU	FIRST GIVEN NAME Hui	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Rochester	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP China
	POST OFFICE ADDRESS	P.O. ADDRESS 330 Kendrick Road	CITY Rochester	STATE & ZIP CODE/COUNTRY New York 14620



COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued) (Includes Reference to PCT International Applications)				ATTORNEY'S DOCKET NUMBER 176/61442 (6-1196)	
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SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202 	SIGNATURE OF INVENTOR 203
DATE	DATE 4 May '06 ✓	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

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PCT APPLICATIONS DESIGNATING THE U.S.					
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)			
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**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith **Michael L. Goldman, Registration No. 30,727; Joseph M. Noto, Registration No. 32,163; Gunnar G. Leinberg, Registration No. 35,584; Edwin V. Merkel, Registration No. 40,087; Alice Y. Choi, Registration No. 45,758; Andrew K. Gonsalves, Registration No. 48,145; Noreen L. Connolly, Registration No. 48,987; Shelley A. Jones, Registration No. 53,081; Tate L. Tischner, Registration No. 56,048.**

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COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued) (Includes Reference to PCT International Applications)				ATTORNEY'S DOCKET NUMBER 176/61442 (6-1196) 10/541044
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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DATE <b>3/15/2006</b>	DATE	DATE